CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-128

REISSUING NPDES PERMITS FOR THE DISCHARGES
CITED HEREIN

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board), finds that:

1. The parties listed below, hereinafter called the dischargers, have previously been issued permits by this Board under the National Pollutant Discharge Elimination System (NPDES) in the Orders indicated:

Discharger	NPDES No.	Order No.
City and County of San Francisco		
North Point Plant	CA0037672	74-162, 77-61
Southeast Plant	CA0037664	74-163, 77-60

2. Said dischargers have submitted application for reissuance of their NPDES permits.

3. The waste discharges remain as described in the Orders cited above, and effluent and receiving water limitations and other conditions in those Orders remain appropriate to the discharges.

4. The Board is not required to comply with the provisions of Chapter 3 (commencing with Section 2100) of Division 13 of the Public Resources Code (California Environmental Quality Act) as this is an NPDES permit and is exempt from such provisions per Section 13389 of the Water Code.

5. The Board has notified the dischargers and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharges and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

6. The Board, in a public meeting, heard and considered all comments pertaining to the discharges.

7. This Order shall serve to reissue National Pollutant Discharge Elimination System permits pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from the date of hearing provided the Regional Administrator, has no objections.

IT IS HEREBY ORDERED, pursuant to the provisions contained in Division 7 of the California Water Code and the Federal Clean Water Act and regulations and guidelines adopted thereunder that:

1. The NPDES permits as contained in the Orders cited in Finding 1 of this Order are hereby reissued.

2. The expiration dates contained in said Orders shall henceforth read: August 1, 1984.

3. All terms and conditions contained in said Orders and the existing monitoring and reporting requirements shall remain in full force and effect without modification.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 16, 1979.

FRED H. DIERKER
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

CITY AND COUNTY OF SAN FRANCISCO

SOUTHEAST PLANT

NPDES NO. CA 0037664

ORDER NO. 79-128

CONSISTS OF

PART A

AND

PART B

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. INFLUENT AND INTAKE

Station	Description
A-001	At any point in the treatment facilities headworks at which all waste tributary to the system is present and preceding any phase of treatment.

B. EFFLUENT(1)

Station	Description
E-001	At any point in the outfall from the treatment facilities between the point of discharge into San Francisco Bay and the point at which all waste tributary to that outfall is present.
E-002	At any point in the disinfection facilities for Waste E-002 at which point adequate contact with the disinfectant is assured.

(1) If the discharger wants to use a substitute effluent sampling station, and demonstrates to the satisfaction of the Regional Board's Executive Officer and the EPA's Regional Administrator that a statistically sound correlation exists between data obtained for the substitute station and that for the designated station, the Executive Officer may approve use of the substitute station.

However, if such substitution involves variation from the Approved Test Procedures, the alternate test procedurs shall be requested and considered pursuant to 40 CFR 136.5.

C. COMBINED SEWER OVERFLOWS

SE Station Number	Description - Please see drawing #A
0-1	Howard overflow location
0-2	North Side Fourth Street overflow location
0-3	Seventh and Division Street overflow location
0-4	Mariposa overflow location
0-5	Selby Street overflow location

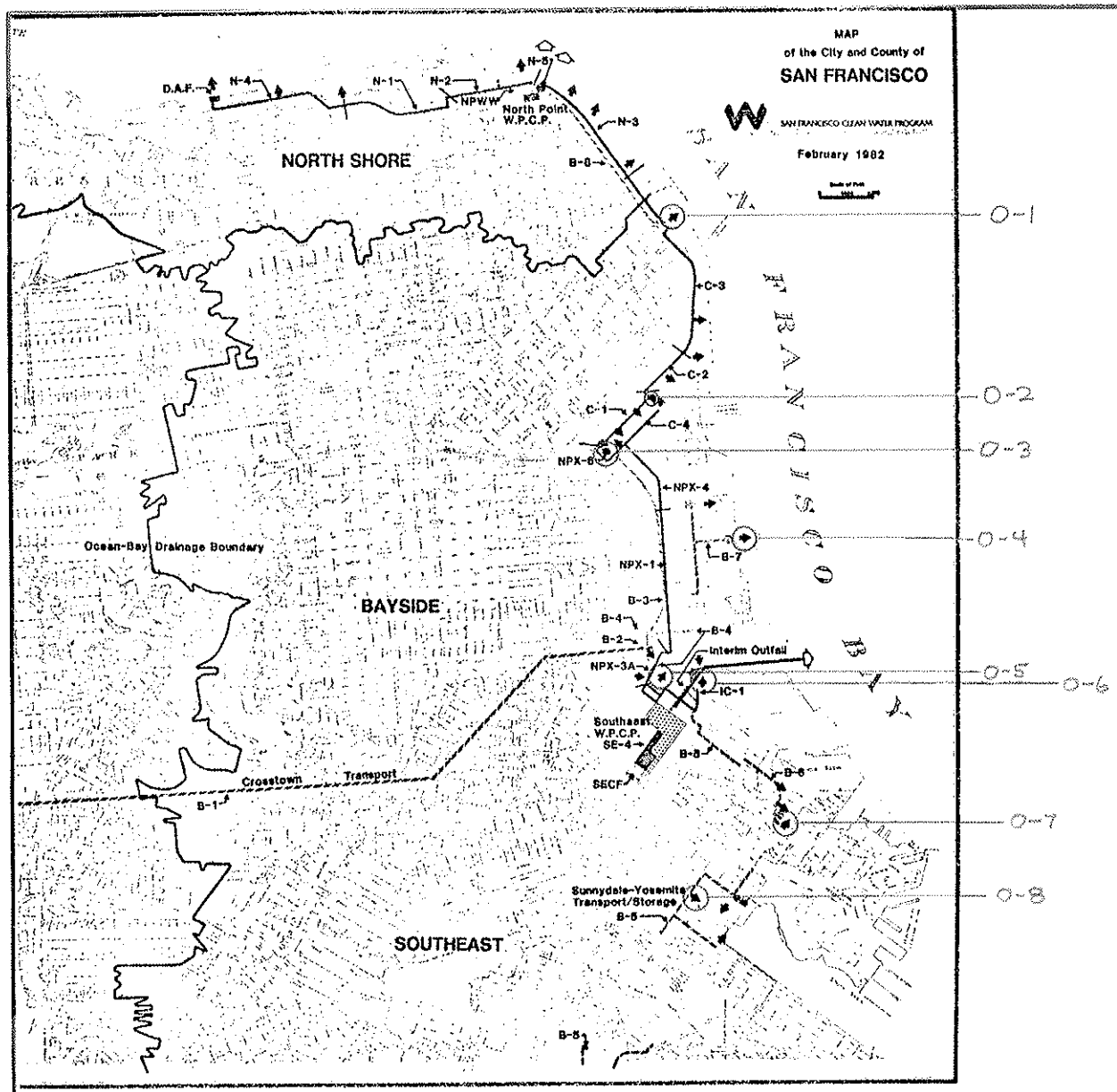
O-6	South Side Third Street overflow location
O-7	Hudson overflow location
O-8	Yosemite Avenue overflow location

D. RECEIVING WATERS AND SEDIMENTS

SE Station Number	Description - Please see drawing #B
C-1	In Islais Creek, approximately 850 feet west of station C-2
C-2	In Islais Creek, midspan of the Bascule Bridge
C-3	In Islais Creek, approximately 850 feet east of station C-2
C-4	In Islais Creek, approximately 850 feet east of station C-3
C-5	In Islais Creek, approximately 850 feet east of station C-4
B-1	Bay outfall station, please see drawing No. C
B-2	Bay outfall station, please see drawing No. C
B-3	Bay outfall station, please see drawing No. C
B-4	Bay outfall station, please see drawing No. C
B-5	Bay outfall station, please see drawing No. C
B-6	Bay outfall station, please see drawing No. C
B-7	Bay outfall station, please see drawing No. C
B-8	Bay outfall station, please see drawing No. C

E. LAND OBSERVATIONS

Station	Description
P-1 thru P-10	Located at the corners and midpoints of the perimeter surrounding the treatment facilities. Please see drawing no. D



SE Station Number	Overflow Name
O-1	Howard
O-2	Fourth St., North Side
O-3	Division St. & Seventh St.
O-4	Mariposa St.
O-5	Selby St.
O-6	Third St., South Side
O-7	Hudson St.
O-8	Yosemite Ave.

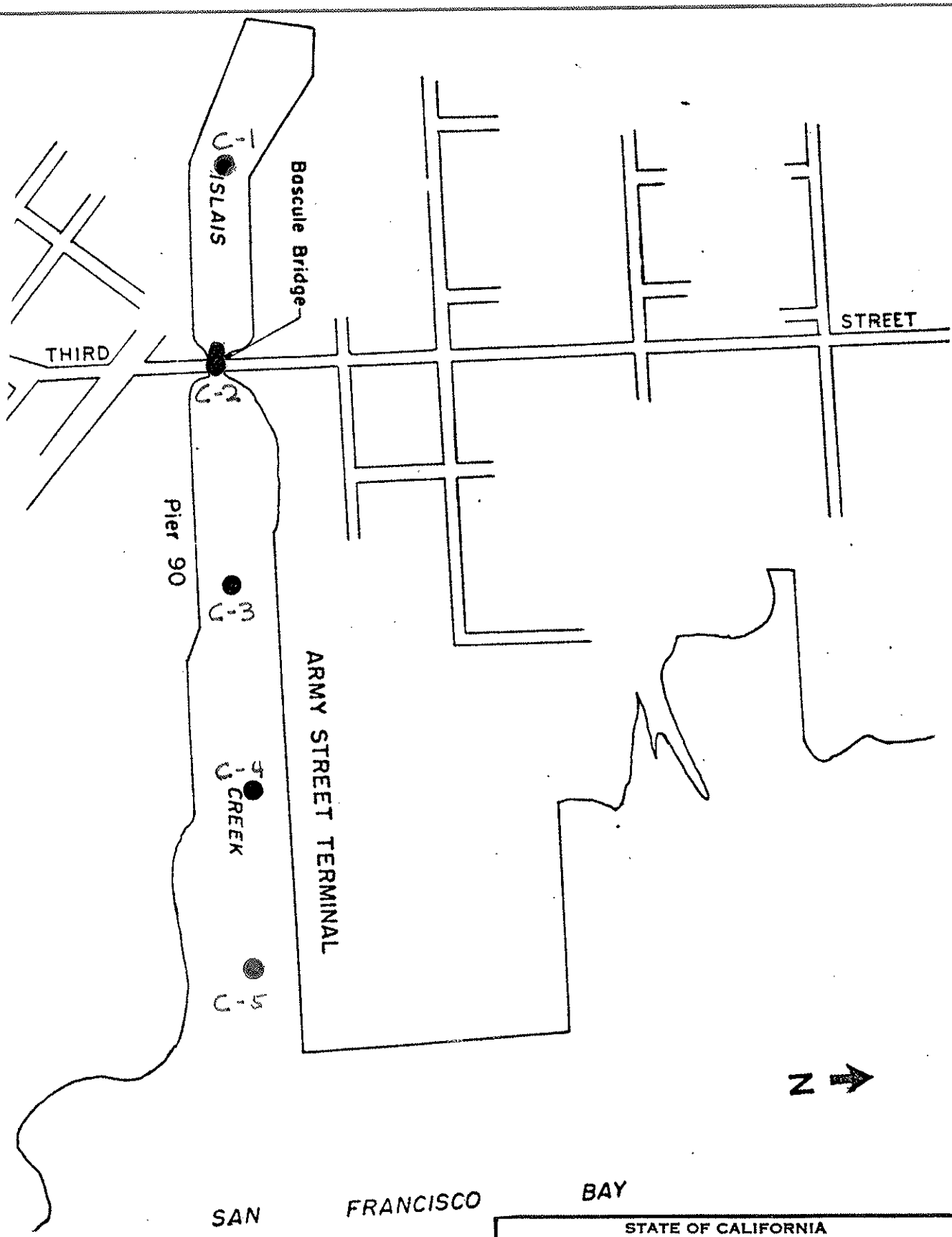
Key

- Combined Sewer Overflows
- Existing Outfall
- Existing Plant
- Separation between Projects
- Selected Overflow
- O-6 Station Number

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

Overflows - Southeast Selected Overflows
Southeast Self-Monitoring Program

DRAWN BY: CBR | DATE: 10-12-83 | DRWG. NO. A



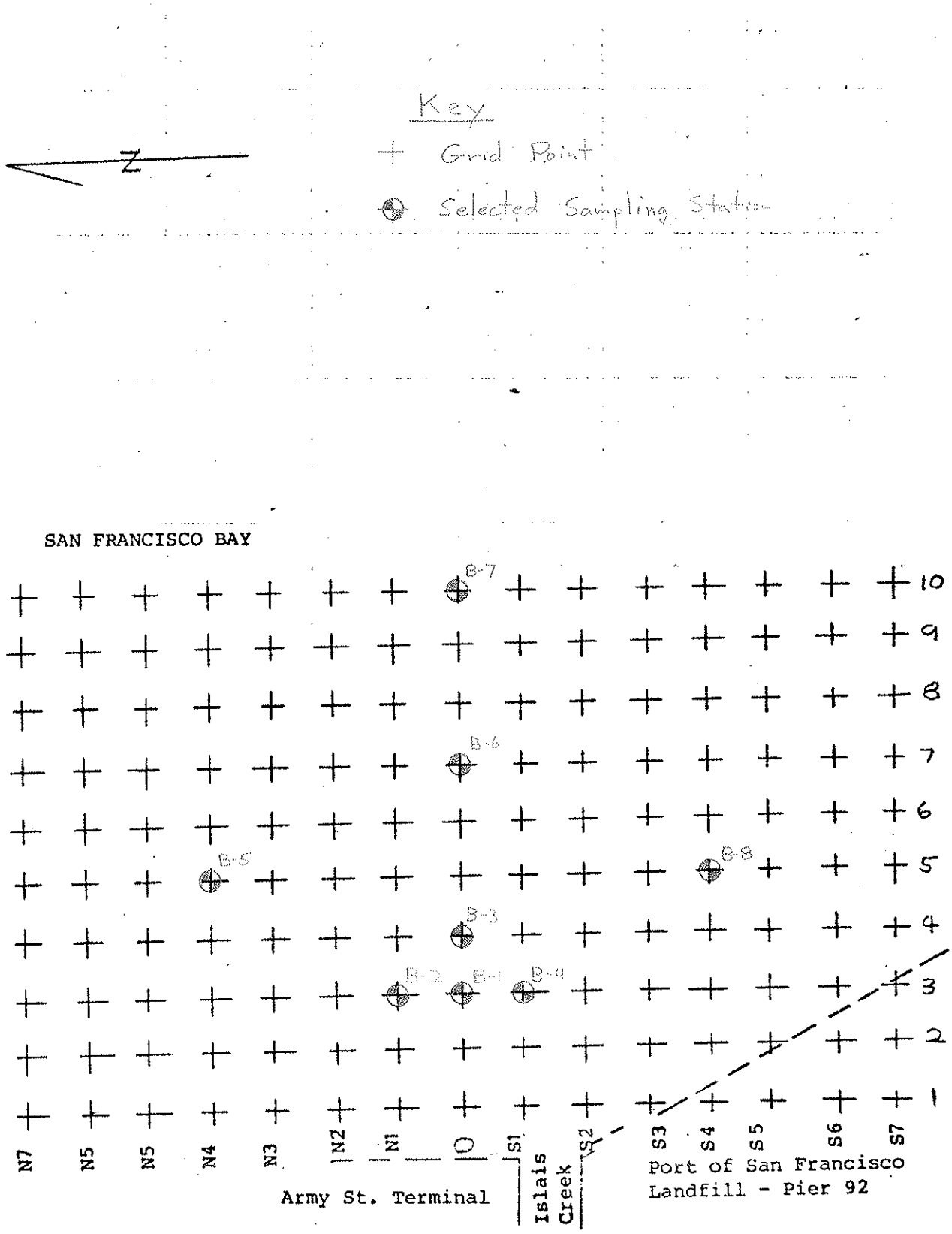
Key

● C-3 Sampling Location Station Number

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

Islais Creek Sampling Locations

DRAWN BY: CER | DATE: 10-12-82 | DRWG. NO. B

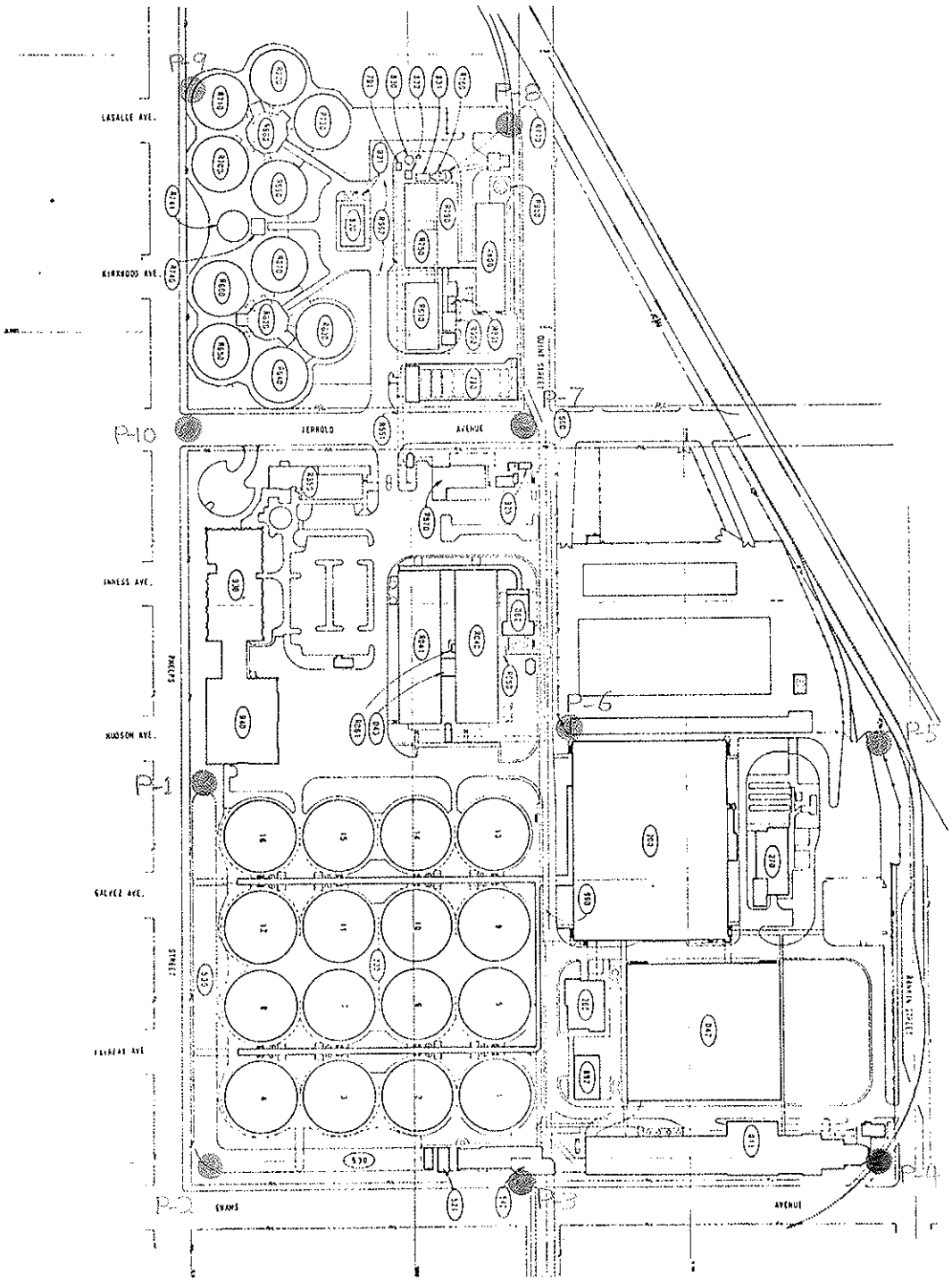


STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

San Francisco - Southeast Sampling Station Grid at Outfall

Scale 1" = 1000'

DRAWN BY: KEK	DATE: 10-12-83	DRWG. NO. C



Key

● P-2 – P sample station

Taken from a CH2M Hill drawing

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

Southeast Plant
CCSF
P stations
Land Observations

DRAWN BY: CER	DATE: 10-13-83	DRWG. NO. D

II. SCHEDULE OF SAMPLING ANALYSIS, AND OBSERVATIONS

A. The schedule of sampling analysis, and observations shall be that given as Table I and the attached footnotes.

B. In addition to the requirements of Part A, Section D, the discharger is required to perform observations, sampling, and analyses according to the following schedule:

Receiving Waters

1. Benthic sampling shall be performed once during the summer season and once during the winter season of each year.

2. All C stations shall be sampled during daylight hours at peak flow, plus or minus 1½ hours. Tidal condition shall be reported.

III. REPORTING

A. Tabulation of the data to include for each constituent total number of analyses, maximum, minimum, and average values for each period. The data shall be reported(1) on either the EPA Form 3320-1, or the State Form Q-2.

B. The annual Receiving Water Data Summary (S-39)(1) and the Annual Waste Characteristic and Loading Summary (S-37)(1) shall be filed for each constituent, monthly.(2)

(1)The format of data presentation is subject to modification upon agreement between the discharger and the Executive Officer of the Regional Board.

(2)The frequency of filing Annual Summaries is subject to modification upon agreement between the discharger and the Executive Officer.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedures set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 74-163, as amended.

2. Does not include the following paragraphs of Part A:

C-3, C-5:c, C-5:d, D-3:b.

3. Is effective on the date shown below.

4. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER
Executive Officer

Effective Date November 1, 1983

Attachments:
Table I

San Francisco, Southeast Plant

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	A-001	E-001			E-002	C-1 thru C-5	C-2	B-1 thru B-8	All Sta	All Sta			
TYPE OF SAMPLE	C-24	G	C-24	Cont	G	G	G	G	O	O			
Flow Rate (1) (mgd)	D			(10) D						(12) E			
BOD, 5-day, 20° C, (mg/l & kg/day) (2)	D		D										
Chlorine Residual & Dosage (mg/l & kg/day)		H	or	Cont									
Settleable Matter (ml/1-hr. & cu. ft./day) (3)		4H											
Total Suspended Matter (mg/l & kg/day) (2)	D		D										
Oil & Grease (4)(8) (mg/l & kg/day)	W	W											
Coliform (Total) (5) (MPN/100 ml) per req't					(6) 5/W	(11) 2/M	(9) 3/W	(11) 2/M					
Fish Toxicity, 96-hr. TL_{50} % Survival in undiluted waste			(13) 2/M										
Ammonia Nitrogen (mg/l & kg/day)			2/M			(11) 2/M	(9) W	(11) 2/M					
Nitrate Nitrogen (mg/l & kg/day)			2/M										
Nitrite Nitrogen (mg/l & kg/day)			2/M										
Total Organic Nitrogen (mg/l & kg/day)			2/M										
Total Phosphate (mg/l & kg/day)			2/M										
Turbidity (Jackson Turbidity Units)			W			(11) 2/M		(11) 2/M					
pH (units)		D				(11) 2/M	(9) W	(11) 2/M					
Dissolved Oxygen (mg/l and % Saturation)						(11) 2/M	(9) W	(11) 2/M					
Temperature (°C)						(11) 2/M	(9) W	(11) 2/M					
Apparent Color (color units)													
Secchi Disc (inches)						(11) 2/M		(11) 2/M					
Sulfides (if DO < 5.0 mg/l) Total & Dissolved (mg/l)													
Arsenic (mg/l & kg/day) (7)			M										
Cadmium (mg/l & kg/day) (7)			M										
Chromium, Total (mg/l & kg/day) (7)			M										
Copper (mg/l & kg/day) (7)			M										
Cyanide (mg/l & kg/day) (7)			M										
Silver (mg/l & kg/day (7)			M										
Lead (mg/l & kg/day) (7)			M										

TABLE I (continued)
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	A-001	E-001			E-002	C-1 thru C-5	C-2	B-1 thru B-8	All P Sta	All O Sta			
TYPE OF SAMPLE	C-24	G	C-24	Cont	G	G	G	G	O	O			
Mercury (mg/l & kg/day) (8)			M										
Nickel (mg/l & kg/day) (8)			M										
Zinc (mg/l & kg/day) (8)			M										
PHENOLIC COMPOUNDS (mg/l & kg/day) (8)			M										
All Applicable Standard Observations						2/M	3/W	2/M	2/W	E			
Bottom Sediment Analyses and Observations						Y		2/Y					
Total Identifiable Chlorinated Hydrocarbons (mg/l & kg/day)			M										
Conductivity						(11) 2/M	(9) W	(11) 2/M					
Non-dissociated Ammonium hydroxide as N(mg/l)						(11) 2/M		(11) 2/M					

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample
C-24 = composite sample - 24-hour
C-X = composite sample - X hours (used when discharge does not continue for 24-hour period)
Cont = continuous sampling
DI = depth-integrated sample
BS = bottom sediment sample
O = observation

TYPES OF STATIONS

I = intake and/or water supply stations
A = treatment facility influent stations
E = waste effluent stations
C = receiving water stations
P = treatment facilities perimeter stations
L = basin and/or pond levee stations

G = groundwater stations

FREQUENCY OF SAMPLING

E = each occurence
H = once each hour
D = once each day
W = once each week
M = once each month
Y = once each year

2/H = twice per hour
2/W = 2 days per week
5/W = 5 days per week
2/M = 2 days per month
2/Y = once in March and once in September
Q = quarterly, once in March, June, Sept. and December

2H = every 2 hours
2D = every 2 days
2W = every 2 weeks
3M = every 3 months
Cont = continuous

FOOTNOTES FOR TABLE:

(1) Report 3 month dry weather average(days with less than 0.2" rain)

(2) Report 30 day average in mg/l and kg/day; 7 day average in mg/l; and % removal, monthly.

(3) Take one of the daily samples at peak flow and report the 30 day average of all the values in ml/l-hr, monthly. Report the data for each sample analyzed and base the monthly average figures on the entire set of samples.

(4) Report 30 day average in mg/l and kg/day, monthly.

(5) Report the running median of 5 consecutive samples for total coliform, monthly. If total coliform MPN exceeds 10,000/100 ml in any samples, collect and analyze a repeat sample within 48 hours.

(6) During period of maximum flow and at a time when sampling for chlorine residual.

(7) Report the 50th percentile on last 3 samples and the 90th percentile on last 10 samples, monthly.

(8) Oil and Grease sampling shall consist of 3 grab samples taken at 8-hour intervals during the sampling day, with each grab being collected in a glass container and analyzed separately. Results shall be expressed as a weighted average of the 3 values, based upon the instantaneous flow rates at the time each grab sample was collected. The 3 grab samples may be combined and analyzed as a composite sample after submittal of data acceptable to the Executive Officer that the two techniques are equivalent.

(9) To be sampled 4' from the bottom and 4' from the surface during or immediately following peak flow. Coliform and Ammonia Nitrogen surface only.

(10) Report each discharge location separately as well as total flow discharged.

(11) One foot below surface, then every ten feet until one foot above bottom-Coliform, Ammonia Nitrogen, and non-dissociated Ammonium hydroxide as N surface only-See Part B, II.B.

(12) Total amount of overflow should be calculated for the sections of the system where weir elevations and sewage elevations provide a basis for calculation of the total flow bypassed.

(13) Sample date for bioassays shall coincide with other parameters sampled as specified for C-24, E-001 to enable cross comparison.